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Substitute for form 1449A-B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Complete if Known	
	Application Number	09/478,188
	Filing Date	January 5, 2000
	First Named Inventor	B n Shen
	Group Art Unit	1652
	Examiner Name	Kathleen Kerr
	Attorney Docket Number	407T-896010US

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
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FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					T
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
KK	1	Ando et al. (1998) "A New Non-Protein Enediynes Antibiotic N1999 A2: Unique Enediynes Chromophore Similar to Neocarzinostatin and DNA Cleavage" Tetra. Letts., 39: 6495-6498			6498
KK	2	August et al. (1998) "Biosynthesis of the ansamycin antibiotic rifamycin: deductions from the molecular analysis of the <i>rif</i> biosynthetic gene cluster of <i>Amycolatopsis mediterranei</i> S699" Chem. Biol. 5: 69-79			
KK	3	Bierman et al. (1992) "Plasmid cloning vectors for the conjugal transfer of DNA from <i>Escherichia coli</i> to <i>Streptomyces</i> spp" Gene 116: 43-68			68
KK	4	Cane et al. (1998) "Harnessing the Biosynthetic Code: Combinations, Permutation, and Mutations" Science 282: 63-68			
KK	5	Decker et al. (1996) "A general approach for cloning and characterizing dNDP-glucose dehydratase genes from actinomycetes" FEMS Lett. 141: 195-201			
KK	6	Edo et al. (1985) "The Structure of Neocarzinostatin Chromophore Possessing a Novel Bicyclo[7,3,0]dodecadiene system" Tetrahedron Lett. 26: 331-340			334
KK	7	Hensens et al. (1989) "Biosynthesis of NCS Chrom A, the Chromophore of the Antitumor Antibiotic Neocarzinostatin" J. Am. Chem. Soc. 111: 3295-3299			
KK	8	Hopwood (1997) "Genetic Contributions to Understanding Polyketide Synthases" Chem. Rev. 97: 2465-2497			
KK	9	Hu et al. (1994) "Repeated polyketide synthase modules involved in the biosynthesis of a heptaine macrolide by <i>Streptomyces</i> sp. FR-008" Mol. Microbiol. 14: 163-172			
KK	10	Hu et al. (1988) "A New Macromolecular Antitumor Antibiotic, C-1027" J. Antibiot. 41:1575-1579			
KK	11	Hutchinson and Fuji. (1995) "Polyketide Synthase Gene Manipulation: A Structure-Function Approach in Engineering Novel Antibodies" Ann. Rev. Microbiol. 49: 201-38			

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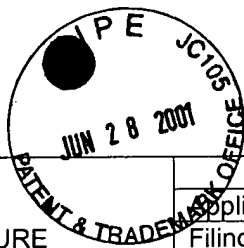
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KK	12	Iida et al. (1993) "Synthesis and Absolute Stereochemistry of the Aminosugar Moiety of Antibiotic C-1027 Chromophore" Tetrahedron Lett. 34: 4079-4082
KK	13	Ikemoton et al. (1995) "Calicheamicin-DNA complexes: Warhead alignment and saccharide recognition of the minor groove" Proc. Natl. Acad. Sci. USA 92:10506-10510
KK	14	Katz and Donadio (1993) "Polyketide Synthesis: Prospects for Hybrid Antibodies" Ann. Rev. Microbiol. 47: 875-912
KK	15	Lam et al. (1993) "Biosynthesis of Esperamicin A ₁ , an Eneidyne Antitumor Antibiotic" J. Am. Chem. Soc. 115: 12340-12345
KK	16	Lee et al. (1998) "Identification of Non-Heme Diiron Proteins That Catalyze Triple Bond and Epoxy Group Formation" Science 280: 915-918
KK	17	Mao, et al. (1997) "isolation and Identification of Berberine from Cell Cultures of <i>Coptis chinensis</i> " Chinese J. Biotechnol. 13: 195-199
KK	18	Minami et al. (1993) "Structure of an Aromatization Product of C-1027 Chromophore" Tetrahedron Lett. 34: 2633-2636
KK	19	Myers et al. (1997) "A comparison of DNA Cleavage by Neocarzinostatin Chromophore and Its Aglycon: Evaluating the Role of the Carbohydrate Residue" J. Am. Chem. Soc. 119: 2965-2972
KK	20	Okuno et al. (1994) "Computer Modeling Analysis for Eneidyne Chromophore-Apoprotein Complex of Macromolecular Antitumor Antibiotic C-1027" J. Med. Chem. 37: 2266-2273
KK	21	Otani et al. (1991) "Purification and Primary Structure of C-1027-AG, a Selective Antagonist of Antitumor Antibiotic C-1027, from <i>Streptomyces globisporus</i> " Agri. Biol. Chem. 55: 407-417
KK	22	Rao et al. (1987) "Cosmid Shuttle Vectors for Cloning and Analysis of <i>Streptomyces</i> DNA" Methods Enzymol. 153: 166-198
KK	23	Sakata et al. (1992) "Cloning and Nucleotide Sequencing of the Antitumor Antibiotic C-1027 Apoprotein Gene" Biosci. Biotech. Biochem. 56: 1592-1595
KK	24	Shen et al. (1999) "Bleomycin Biosynthesis in <i>Streptomyces verticillus</i> ATCC15003: A Model of Hybrid Peptide and Polyketide Biosynthesis" Bioorg. Chem. 27: 155-171
KK	25	Sievers et al. (1999) "Selective Ablation of Acute Myeloid Leukemia Using Antibody-Targeted Chemotherapy: A Phase I Study of an Anti-CD33 Calicheamicin Immunoconjugate" Blood 93: 3678-3684
KK	26	Sommer et al. (1997) "Genetic and Biochemical Characterization of a New Extracellular Lipase from <i>Streptomyces cinnamomeus</i> " Appl. Environ. Microbiol. 63: 3553-3560
KK	27	Spaink et al. (1991) "A novel highly unsaturated fatty acid moiety of lipo-oligosaccharide signals determines host specificity of <i>Rizobium</i> " Nature 354: 125-130
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KK	30	Thorson et al. (1999) "Eneidyne Biosynthesis and Self-Resistance: A Progress Report" Bioorg. Chem., 27: 172-188
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KK	32	Xu et al. (1997) "Eneidyne C1027 Induces the Formation of Novel Covalent DNA Interstrand Cross-Links and Monoadducts" J. Am. Chem. Soc. 119: 1133-1134

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KK	33	Yoshida et al. (1993) "Structure and Cycloaromatization of a Novel Eneidyne, C-1027 Chromophore" Tetrahedron Lett. 34: 2637-2640	
KL	34	Zhen et al. (1989) "A New Macromolecular Antitumor Antibiotic, C-1027" J. Antibiot. 42: 1294-1298	

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